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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,122	01/20/2004	Huong Thanh Nguyen	005735/C1/DSM/LOW K	8790
	7590 05/17/200 & SHERIDAN, LLP	EXAMINER		
3040 POST OA	K BOULEVARD, SU	DUDA, KATHLEEN		
HOUSTON, T	X //036	•	ART UNIT	PAPER NUMBER
			1756	
		•	MAIL DẠTE	DELIVERY MODE
			05/17/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)	Applicant(s)				
Office Action Summary		10/761,122	NGUYEN ET AL.	•				
		Examiner	Art Unit					
		Kathleen Duda	1756					
Period fo	The MAILING DATE of this communi or Reply	ication app	ears on the cover sheet with	the correspondence ac	ldress			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MANSIONS OF THE MANSIO	AILING DA of 37 CFR 1.13 nunication. atutory period w will, by statute,	ATE OF THIS COMMUNICA 6(a). In no event, however, may a reply ill apply and will expire SIX (6) MONTH: cause the application to become ABAN	TION. / be timely filed S from the mailing date of this c DONED (35 U.S.C. § 133).				
Status								
1)🛛	Responsive to communication(s) file	d on 18 O	ctober 2006.					
	This action is FINAL . 2b)⊠ This action is non-final.							
	<u>'</u>							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims							
4)🛛	Claim(s) <u>1-44</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
6)🛛	Claim(s) <u>1-44</u> is/are rejected.							
	B) Claim(s) are subject to restriction and/or election requirement.							
Applicati	on Papers							
9)[]	The specification is objected to by the	Evaminer						
	The drawing(s) filed on is/are:			the Evaminer				
. •/-	Applicant may not request that any object							
	Replacement drawing sheet(s) including			• •	ED 4 4047 IV			
11)	The oath or declaration is objected to							
	ınder 35 U.S.C. § 119	by the Lxt	animer. Note the attached C	mice Action of form P	O-152.			
<u> </u>								
_	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of	of the priori	ty documents have been re	ceived in this National	Stage			
	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
		•						
Attachment	:(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
2) Notice	e of Draftsperson's Patent Drawing Review (PT	Paper No(s)/M	lail Date					
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:								
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DETAILED ACTION

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1. Claims 1-44 are pending in this application.

Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., In re Berg, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

3. Claims 1-44 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-44 of U.S. Patent No. 6,680,164. Although the conflicting claims are not identical, they are not patentably distinct from each other because the application recites a

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broader limitation than the patent which encompasses the limitations of the patent claims.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yeh (US Patent 6,130,166).

Yeh teaches a process of photoresist removal using a plasma. It is taught that the photoresist is formed on a dielectric layer (column 2, line 18) and then processed before being removed. It is taught that the removal occurs with a CF_4/H_2O_2 plasma. Column 2, line 49, teaches that the H_2O_2 can be an additive to a CF_4/H_2O plasma. The H_2O_2 and H_2O produce -OH radicals. Column 3, lines 24-37, teaches the flow of the H_2O_2 is about 600 sccm and the flow of the CF_4 is about 360 sccm. It is taught that the plasma can include O_2 and fluorocarbons.

Therefore, it would have been obvious to have used a plasma comprising H and water because Yeh teaches a plasma containing H_2O_2 and

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 H_2O with other additives which is taught to be an improvement over the prior art with complete removal of the photoresist.

Conclusion

6. Any inquiry concerning this communication should be directed to Examiner K. Duda at (571) 272-1383. Official FAX communications should be sent to (571) 273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff, can be reached at 571-272-1385.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kathleen Duda Primary Examiner Art Unit 1756